

FIG. 1

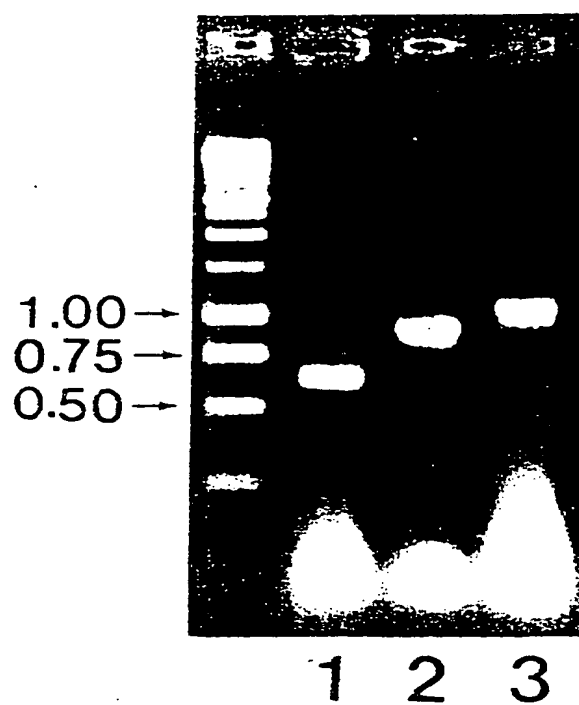


FIG. 2

FIG. 3A

Rat H35 cell FucT	LQQRIVKLQPLSEKELPMITQMSNGNTESPERRDSEQHNGEL	44
Human Sec2	MLVVQMPTSFPMAHF ILFVFTVWSTIFHVQQLAKIQAMWELPVQIPVLASTSKALGPSQL	60
Rat H35 cell FucT	RGMTINSIGRLGNQNGEYATLALARMNGRLAFIPASMHNALAPIFRISLPVLHSDTAK	104
Human Sec2	RGMTINAIGRLGNQNGEYATLYALAKMNGRPAFIPAQMHSILAPIFRITLPVLHSATAS	120
Rat H35 cell FucT	KIPWQNYHLNDWMEEERYRHIP-GHFVRFICYPCSWTFYHHLRPEILKEFTLHDHVREEAQ	163
Human Sec2	RIPWQNYHLNDWMEEERYRHIIPPGCYVRFICYPCSWTFYHHLRQELQEFTHLDHVREEAQ	180
Rat H35 cell FucT	AFRLRLRVNGSQPSTFGVHVRRGDYVHMPNVM LGVVADRGYLEKALDMFRARYSSPVF	223
Human Sec2	KFLRLGLQVNGSRPGTFGVHVRRGDYVHMPKVM LGVVADRRYLQQALDMFRARYSSLIF	240
Rat H35 cell FucT	VVTSNGMAWCRENINASRGDVVFAAGNGIEGSPAKOFALLTQCNTIMTICTFGIWAAYLA	283
Human Sec2	VVTSNGMAWCRENIDTSHGDVVFAGDGIEGSPAKOFALLTQCNTIMTICTFGIWAAYLA	300
Rat H35 cell FucT	GGDTIYLANITYLPDSPFLKVFKEAAFLPEWNGIPADLSPLLKALIPACPRSHFLKAKG	343
Human Sec2	GGDTIYLANITYLPDSPFLKIFKPEAAFLPEWTGIAADLSPLLKH	
Rat H35 cell FucT	VTCVACRAF	

FIG.3B

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1 2 3 4

FIG. 4

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ATGCCACGCGCCACGGTTCCCTTTCCTCTTCCTCGGCCACATCCTCATCTTTGTCCTCGACATCCACCAATCATCCAC
M A S A Q V P F S F P L A H F L I F V F V T S T I I H

CCCTCCAGCAGCGAAATAGTGAAGCTCCCAACCCCGTGTACAGAGAGCAATTACCGATGACCGATCAATATGCTCCGGAAACACACAAGACCCACAGAGATGCCAGCGGACAGC
LQQQRIVKLLQPLSEKELPMTTQMSSCGNTFESPEMRRDSS

GACCAGCATCGGAATGGAGACCTGCGCGGCA GTTTCAGCATCAATCCATTGCCCGCCG CIGCCGAAACACAGATCGGCGAATACGCCACA CTCTTTGCACITGCCACGCAATG

AACCGACGGCTGGGTTCATCCCGGCAICCAIGCACACGGCTCIACCGCCCACTTCAGGATCAGGCTCCGGGTGTACACACGGCACACGGCCAAAGAATCCCAIGG
NCGRLAFIPASMHNA LAP IFRISLPVLHSDTAKKIPW

CAGAAATTACCAICTCAACGAC TGGATGGAGCGGTACCGCCACAGATCCGGGACACATTCTGCGGTACACGGGATACCCGTGCTCTGGACCTCTACCAACCACCTG
 QN Y H L N D W M E E R Y R H I P G H F V R F T G Y P C S W T F Y H H L

CCCCCAGAGATCTGAAGGAGTTACCCCTGCCATGACCAGCTGCCGAGGAGCCAGCCAGCCCTCTCCCTGGCTCGATCGCGGCTGAATGGGAGCCAGCCGAGTACTTTCTG
RPEILK E F T L L H D H V R E E A Q A F L R G L R V N G S Q P S I F V

CGTGCCATGTCGGCCGAGGGGACATGTCATGTCATGCCCTAATGTGTGCAAGCGCGGTACCTGCGAAAGCCCCCGCATATGTCCTCCGGCA

CGCTATTCATCCAGTCTCGTGGTTACAAGCAACGGTATGGCTGGTCCCGGAGACATTAATGCTTCCCGACGAGCGTGGTGTTCGGCCGCAATCGTATTCGAG
RYS SSPVVFVVVTSNCGMAWCRENI¹NASRGDVVFACNGIE

CGGTCGCCAGCAAGGACTTCGGCGTCGTACCCAGTGCACCAACACCAATCATGACTATTCGGACCTTCGGATTTCGGCTGCCCTACCTGCCAGGCTGATACCAATC
GSPAKDKDFALLTQCNHTIMTICTFGIWAAALACGDTI

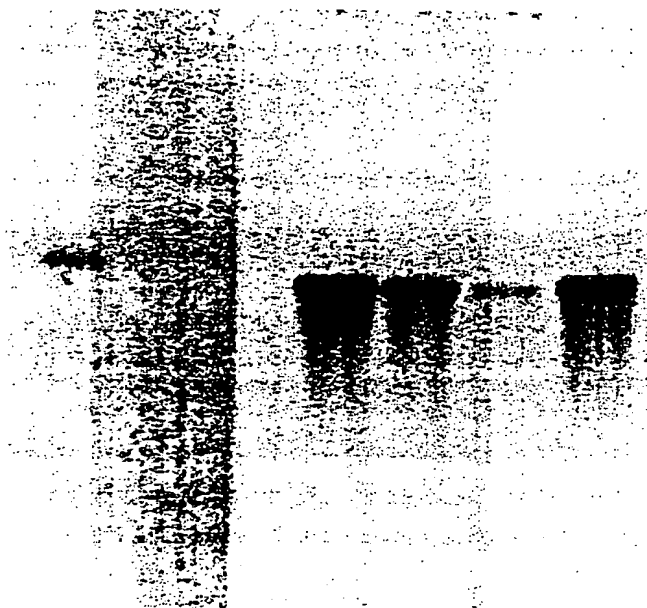
ACTTAGCCCACTACACCCITCCGGATTCCTCCCTTCCTCAAAGTCCTTAAGCCAGAGCAGCCITCCTACCCGAATGGTGGGCAICCCIGCCGAICIGICCCCACTC
Y L A N Y T L P D S P F L K V F K P E A A F L P E W V G I P A D L S P L

TTTAGGCCATTAAACCAGCGTGGTCCGCTCCACCTCCACCAAGGAGTCACCTGTACGTCCGACGAGCCCTCTGATCGGAA
L K A L T P A C P R S H F H L K A K G V T C Y V A G R A F

5.5.3.

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GM₁ →



A B C D

FIG. 6

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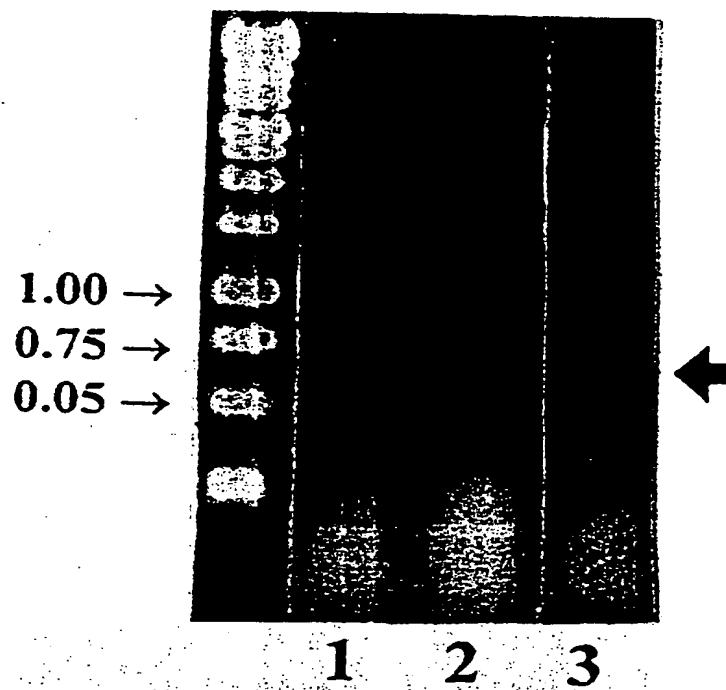


FIG. 7

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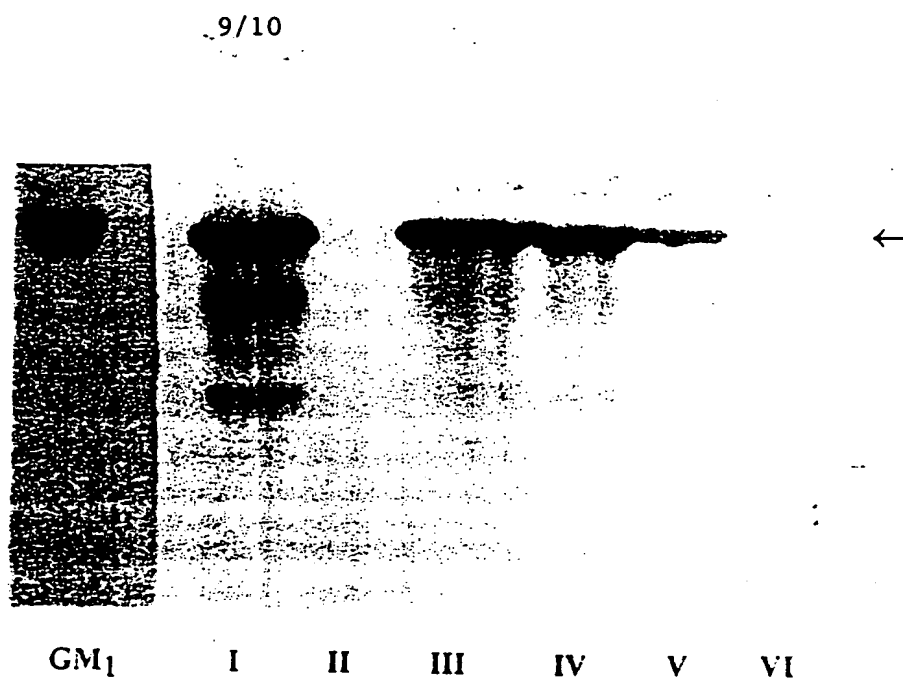


FIG. 8A

	<u>cpm - background</u>	<u>% initial activity</u>
I	19,832	100
II	0	0
III	6,726	34
IV	4,917	25
V	1,043	5.3
VI	104	0.52

FIG. 8B

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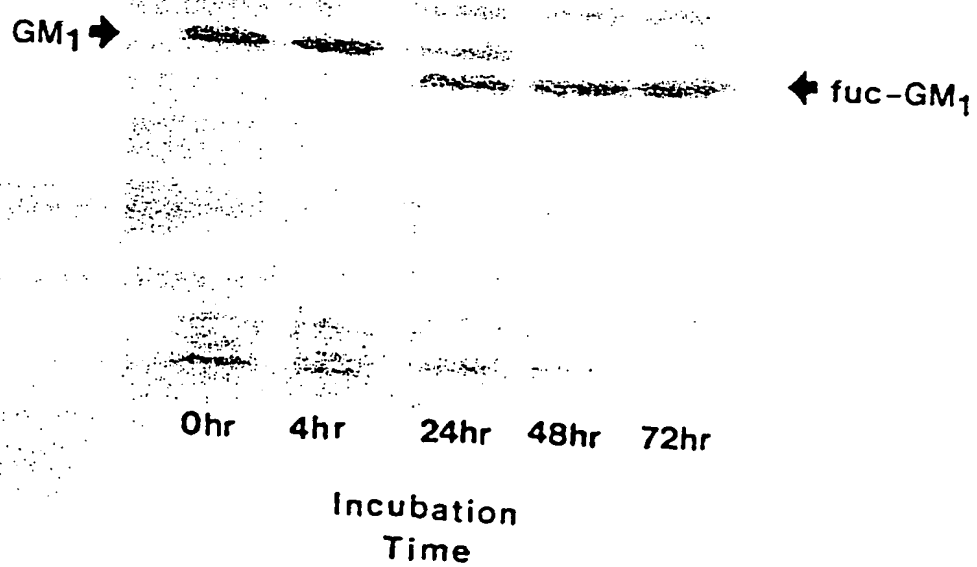


FIG. 9

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